

**Dr. Vithalrao Vikhe Patil College of**  
**Engineering,**  
**Ahmednagar**

**Report of INTERNAL SMART INDIA**  
**HACKATHON 2024**

Organized by

**Department of Electronics & Telecommunication**  
**Engineering, Ahmednagar**

On

6<sup>th</sup> September, 2024

Time: 03:00 Pm



Academic Year: 2024-25

Date: 06/09/2024

## **INTERNAL SMART INDIA HACKATHON 2024**

### **Enclosure:**

- 1. About the Event**
- 2. About the Problem statement**
- 3. Photos of the event organized**
- 4. Pictures of all participating teams**
- 5. Judging Process**
- 6. Jury Panel details**
- 7. Nominated top teams**
- 8. Judges information**
- 9. Total teams and students participated and photos**
- 10. Participation Statistics**



**1.**

## **About the Event**

On **6<sup>th</sup> September 2024**, an Offline **Internal Smart India Hackathon 2024** was organized by the **Department of Electronics & Telecommunication Engineering**, at **Dr Vitthalrao Vikhe Patil College of Engineering, Ahmednagar**. **Total 15 teams** have been participated in Internal SIH 2024 from entire College.

The objective of the event was to enlighten the students with the challenges of Software and Hardware Edition. The objective of this Internal Hackathon was to scrutinize the solutions provided by team members for different problem statements listed by multiple organizations and Ministries of India. This helped students to understand the problem with different perspectives and to come up with a proper solution. The goal of this Internal Hackathon was to prepare the student teams for national level Smart India Hackathon 2024.

Smart India Hackathon 2024 is a nationwide initiative to provide students a platform to solve some Innovative and relevant problems that we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. In the last 5 to 6 years, SIH has evolved into the world's Largest Open Innovation Model to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and problem solving mindset. Moreover, the Hon'ble Prime Minister of India has applauded the SIH initiative on multiple occasions which has helped to kick-start the hackathon culture in India. The previous editions of SIH have proven to be extremely beneficial for the students in establishing startups and employment opportunities in various organizations.



## **2. About the Problem Statement**

The Internal #SIH 2024 was a great success. The students were enthusiastic and creative, and they came up with some innovative solutions to the problem statements. The judges were impressed with the quality of the solutions, and they were confident that the students would be successful in the national-level hackathon.

The Internal SIH 2024 was a valuable learning experience for the students. It helped them to develop their problem-solving skills, to work collaboratively, and to think creatively. The event also helped to foster a culture of innovation and entrepreneurship among the students.

### **Themes/Problem statements Internal Smart India Hackathon of SIH 2024 -**

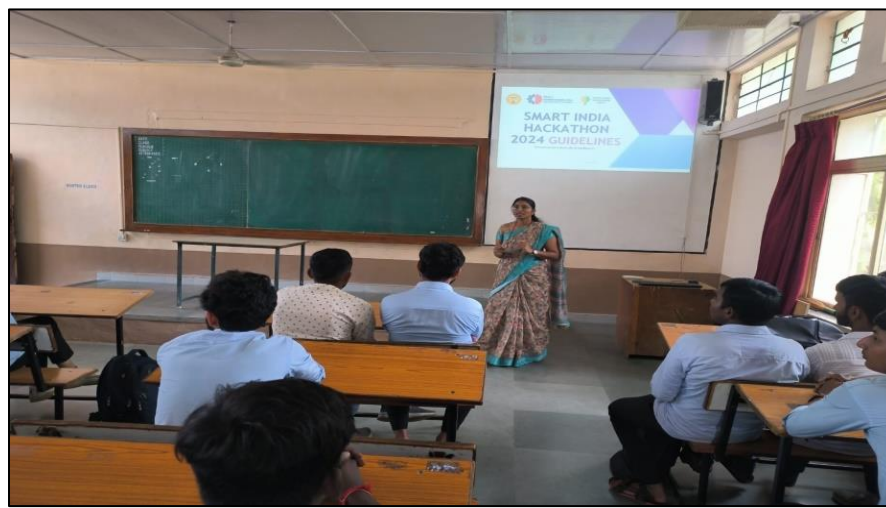
1. Smart Irrigation System for Precision Farming
2. Assured Contract Farming system for stable market access
3. Student Innovation
4. Student Innovation - Scheme recommendations for farmers based on eligibility.
5. Building Integrated Photo-voltaic (BIPV) potential assessment and visualization using LOD-1 3D City Model
6. Monitoring system for classroom session in skill training program
7. Student innovation
8. Implementation of the Alumni Association platform for the university/Institute
9. Student Innovation
10. Student innovation

11. Innovating for Sustainability: Driving Smart Resource Conservation (Energy & Water) in Home Appliances (Refrigerators, Air Conditioners, Washing Machines and Desert Air Coolers) Hardware
12. Student Innovation
13. Student Innovation (Ideas that showcase the rich culture heritage and traditions of India)
14. Transform Docs Application: Empowering Machine-Readable Document Management System
15. Intelligent Platform to Interconnect Alumni and Student for Technical Education Department, govt.of Rajasthan.

### **Awareness Session of Smart India Hackathon 2024**

The awareness session of Smart India Hackathon (Internal Hackathon) 2024 was conducted on the 29<sup>th</sup> August 2024 from 3:00 PM to 5:00PM, in FF10 Classroom of E&TC Department by SPOC (Asst.Prof. Lokhande J.A and HOD E&TC Dr. A.K Patil) of Dr.Vitthalrao Vikhe Patil College of Engineering, Ahmednagar.

The awareness session of the Smart India Hackathon 2024 proved to be a resounding success. This session effectively enlightened students about the Smart India Hackathon, providing them with a comprehensive understanding of its objectives, challenges, and opportunities. Participants left the session well-informed and motivated as their queries were answered during the session. The session was attended by 65 students.





## Poster and Registration Form Details



### Dr. Vithalrao Vikhe Patil College of Engineering

Conducting Internal Hackathon  
for SIH 2024  
-Organised by E&TC Dept.

Date:- 06/09/2024, Friday  
Time:- 12:15 PM



## Internal Hackathon -2024

Venue:- Seminar Hall,  
D. V. V. P. Collge Of Engineering,  
Ahmednagar- 414111



Registration Form Link- <https://forms.gle/kVf28YP5eAKZjzKT9>



### **3. Photos of the event organized**

#### **Inauguration of Smart India Hackathon 2024**

The inauguration session was held on 06<sup>th</sup> September 2024 at 12:30 PM in Seminar Hall, Dr.Vitthalrao Vikhe Patil College of Engineering, and Ahmednagar. The inauguration session was initiated by Dr.A.K.Patil, HOD of Electronics & Telecommunication who gave detailed guidelines about SIH 2024.

The Inauguration of the program was done by Dr. Sunil Kalhature, (Deputy Director) and Dr.Uday Naik (Principal) sir, where he motivated the students by giving detailed knowledge of Hackathon and problem-solving skills.



## Participating Teams



Pimpalgaon Malvi, Maharashtra, India  
5MJR+97M, Vilad Ghat, Pimpalgaon Malvi, Ahmednagar, Maharashtra 414111, India  
Lat 19.180809°  
Long 74.690225°  
06/09/24 01:01 PM GMT +05:30



## Participant Teams presenting their solutions







**5.****Jury Panel Details**

<b>Sr. No.</b>	<b>Name of Judge</b>	<b>Designation &amp; Department</b>	<b>Domain</b>
1	Prof. A.R. Landge	Professor E&TC	VLSI
2	Prof. C.K. Kalwade	Professor E&TC	Microcontroller & Embedded RTOS
3	Prof. A.U. Vikhe	Professor E&TC	Data Science
4	Prof. M.N. Kale	Professor IT	Machine Learning
5	Prof V.V. Jagtap	Professor CE	Deep Learning
6	Prof R.G. Raut	Professor IT	DSA

**6.****Nominated top teams****Top 5 Teams against Problem Statement**

<b>Sr.No</b>	<b>Group ID</b>	<b>Title of the team</b>	<b>Name of Team Leader</b>
1	1	Tech Titans	Amol Subhash Dangat
2	2	Circuit Breakers Crew	Adsul Komal Balu
3	3	Enigma Engineers	Kulkarni Shubham Mahendra
4	4	The Innovators	Kulkarni Bhakti Gajanan
5	5	Tech Titan's	Welzile shravani Shriram

## **7.**

## **Participation Statistics**

Sr. No.	Participant Details	No. of Participants
1.	Boys	47
2.	Girls	43

Total no. of teams participated = 15

### **Responses Database -**

[Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar  
Internal College smart India Hackathon - 2024 Registration  
\(Responses\).xlsx](#)

### **Social Media Links -Event's Promotion**

[https://www.linkedin.com/posts/shubhkulk21\\_thrilled-challenges-hackathon-activity-7237846876459311105-g2ru?utm\\_source=share&utm\\_medium=member android](https://www.linkedin.com/posts/shubhkulk21_thrilled-challenges-hackathon-activity-7237846876459311105-g2ru?utm_source=share&utm_medium=member_android)



Prof. J.A. Lokhande  
SIH Co-ordinator

Dr. A.K. Patil  
HOD (E&TC)

PRINCIPAL  
Dr. Uday Naik  
College of Engineering  
(Pimpalgaon)